**HIS2016 DETAILED PROGRAM**

**Registration**

Location: **Meeting Room (Second Floor)**

Time: **16:00-19:00, Saturday 5th November 2016**

**8:00-9:00, Sunday 6th November 2016**

**Opening and Keynote 1**

**Location: Guanghua Room 1+2**

**Time: 9:00-9:30, Sunday 6th** **November 2016**

**Conference Opening**

**Welcome Speech: Xiaoyang Wang, Fudan University, China**

**Opening Address:** **Yanchun Zhang, Victoria University, Australia and Fudan University, China**

**Program Introduction: Xiaoxia Yin, Victoria University, Australia**

**Conference Photograph Time**

**Location: Guanghua Room 1+2**

**Time: 9:30-10:10, Sunday 6th November 2016**

**Keynote speech 1**

**Title: *Leveraging Big Data Analytics for HealthCare Applications***

**Speaker: *Professor Ling Liu, Distributed Data Intensive Systems Lab, School of Computer Science, Georgia Institute of Technology, US***

**Tea break**

Time: **10:10-10:40**

**Invited talks**

**Location: Guanghua Room 1+2**

**Time: 10:40-12:10, Sunday 6th November 2016**

**Chair: *Hua Wang, Victoria University, Melbourne, Australia***

**Invited talk 1:**

**Title: *A comprehensive curation of CRISPR annotations***

**Speaker: *Professor Fengfeng Zhou, College of Computer Science and Technology, Jilin University, China.***

**Invited talk 2:**

**Title: *Robust data mining***

**Speaker:** ***Professor Uwe Aickelin, The School of Computer Science, The University of Nottingham, UK***

**Invited talk 3:**

**Title: Pervasive Health Sensing and Computing: Trends and Opportunities**

**Speaker: Professor** ***Hongbo Ni, North western Polytechnical University, China.***

**Lunch time: 12:10-13:10, Sunday 6th November 2016**

**Regular papers (i)**

**Location: Guanghua Room 1+2**

**Time: 13:30-15:30, Sunday 6th November 2016**

**Chair: *Gang Luo, University of Utah, Salt Lake City, Utah, USA***

* **An Automated Method for Gender Information Identification from Clinical Trial Text**

***Tianyong Hao, Boyu Chen and Yingying Qu***

* **Statistical Modeling Adoption on the Late-Life Function & Disability Instrument compared to Kansas City Cardiomyopathy Questionnair**

***Kate MacPhedran and Yunkai Liu***

* **WIDD: Web-Interface-Driven Development for Neuro3D, A Clinical Data Capture and Decision Support System for Deep Brain Stimulation**

***Shiqiang Tao, Benjamin Walter, Sisi Gu and Guo-Qiang Zhang***

* **EQClinic: a platform for improving medical students’ clinical communication skills**

***Chunfeng Liu, Rafael Calvo, Renee Lim and Silas Taylor***

* **A Novel Indicator for Cuff-Less Blood Pressure Estimation Based on Photoplethysmography**

***Hongyang Jiang, Fen Miao, Mengdi Gao, Xi Hong, Qingyun He, He Ma and Ye Li***

* **A distributed decision support architecture for the diagnosis and treatment of breast cancer**

***Liang Xiao and John Fox***

**Tea break: 15:30-16:00, Sunday 6th November 2016**

**Regular papers and Short papers (i)**

**Location: Guanghua Room 1+2**

**Time: 16:00-17:40, Sunday 6th November 2016**

**Chair: *Zhisheng Huang, Department of Computer Science, Vrije University Amsterdam, The Netherlands***

* **Dietary Management Software for Chronic Kidney Disease: Current Status and Open Issues**

***Xiaorui Chen, Maureen Murtaugh, Corinna Koebnick, Srinivasan Beddhu, Jennifer Garvin, Mike Conway, Younghee Lee, Ramkiran Gouripeddi and Gang Luo***

* **Differential Feature Recognition of Breast Cancer Patients Based on Minimum Spanning Tree Clustering and F-statistics Analysis**

***Juanying Xie, Ying Li, Ying Zhou and Mingzhao Wang***

* **An Architecture for Healthcare Big Data Management and Analysis**

***Hao Gui, Rong Zheng, Chao Ma, Hao Fan and Liya Xu***

* **Study on Intelligent Home Care Platform Based on Chronic Disease Knowledge Management**

***Ye Chen and Hao Fan***

* **A Dietary Nutrition Analysis Method Leveraging Big Data Processing and Fuzzy Clustering**

***Lihui Lei and Yuan Ca***

**Banquet time: 18:30-21:00**

**Location: Banquet Room**

**Keynote 2 and Invited talks (Second day)**

**Location: Guanghua Room 1+2**

**Time: 9:00-10:10, Monday 7th November 2016**

**Chair: *Chaoyi Pang, Zhejiang University, China***

**Keynote speech 2**

**Title: From Precision Medicine to Smart Medicine**

**Speaker: *Professor Lei Liu, Institution of Biomedical Research, Fudan University; Deputy director of Biological Information Technology Research Center, Shanghai, China***

**Invited talk 4:**

**Title: Robust identification of Retinal Layers through OCT imaging in the Presence of Pathology**

**Speaker:** ***Professor Rao Kotagiri, Computing and Information Systems, University of Melbourne***

**Tea break**

Time: **10:10-10:40**

**Regular papers (ii)**

**Location: Guanghua Room 1+2**

**Time: 10:40-12:20, Monday 7th November 2016**

**Chair:** ***Xia Jing, College of Health Sciences and Professions,******Ohio University, Athens, Ohio, USA***

* **Real-time patient table removal in CT images**

***Luming Chen, Shibin Wu, Zhicheng Zhang, Yanchun Zhu, Shaode Yu, Yaoqin Xie and Hefang Zhang***

* **Knowledge Services Using Rule-based Formalization for Eligibility Criteria of Clinical Trials**

***Zhisheng Huang, Qing Hu, Annette Ten Teije, Frank Van Harmelen and Salah Ait-Mokhtar***

* **3D Medical Model Automatic Annotation and Retrieval Using LDA Based on Semantic Features**

***Xinying Wang, Fangming Gu and Wei Xiao***

* **Improved GrabCut for human brain computerized tomography image segmentation**

***Zhihua Ji, Shaode Yu, Shibin Wu, Yaoqin Xie and Fashun Yang***

* **Autism spectrum disorder: Brain images and Registration**

***Porawat Visutsak and Yan Li***

**Lunch time**

**Time: 12:20-13:20**

**Short papers (ii)**

**Location:** **Guanghua Room 1+2**

**Time: 13:30-15:30, Monday 7th November 2016**

**Chair: *Juanying Xie, School of Computer Science, Shaanxi Normal University, Xi’an, China***

* **Edge-aware Local Laplacian Filters for Medical X-Ray Image Enhancement**

***Jingjing He, Mingmin Chen and Zhicheng Li***

* **Health indicators within EHR systems in primary care settings: availability and their presentation**

***Xia Jing, Francisca Lekey, Abigail Kacpura and Kathy Jefford***

* **A Case Study on Epidemic Disease Cartography Using Geographic Information**

***Changbin Yu, Jiangang Yang, Yiwen Wang, Ke Huang, Honglei Cui, Mingfang Dai, Hongjian Chen, Yu Liu and Zhensheng Wang***

* **Internet Hospital: Challenges and Opportunities in China**

***Liwei Xu***

* **A novel algorithm to determine the cutoff score**

***Xiaodong Wang***

**Closing  & Tea time 15:30-16:00**